AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-33 (Cancelled).

34. (Previously Presented) A system comprising:

a hydrogen fuel cassette, the hydrogen fuel cassette having a housing defining an interior region and a hydrogen producing material selected from the group consisting of hydrides, nanotubes, fullerenes, and glass microspheres, in the interior region; and

a hydrogen recovery unit having a receptacle to receive the hydrogen fuel cassette, the hydrogen recovery unit having electromechanics to process hydrogen producing material that has been removed from the hydrogen fuel cassette to produce hydrogen;

a telemetry device coupled with the housing of the hydrogen fuel cassette to communicate information associated with the hydrogen fuel cassette; and

a device of the hydrogen recovery unit to receive the information communicated by the telemetry device of the hydrogen fuel cassette; and

a network connection of the hydrogen recovery unit to communicate information associated with hydrogen production to a network.

35. (Previously Presented) A system comprising:

a hydrogen fuel cassette, the hydrogen fuel cassette having a housing defining an interior region and a hydrogen storage material in the interior region; and

a hydrogen recovery unit having a receptacle to receive the hydrogen fuel cassette, the hydrogen recovery unit having electromechanics to process hydrogen storage material that has been removed from the hydrogen fuel cassette to produce hydrogen.

36. (Previously Presented) The system of claim 35, wherein the hydrogen storage material comprises a material that is selected from the group consisting of hydrides, nanotubes, fullerenes, glass microspheres, and hydride slurries.

37. (Previously Presented) The system of claim 35, further comprising an electronic device coupled with the housing of the hydrogen fuel cassette to store information associated with the hydrogen fuel cassette.

38. (Previously Presented) The system of claim 37, further comprising:

a telemetry device coupled with the housing of the hydrogen fuel cassette to communicate information associated with the hydrogen fuel cassette; and

a device of the hydrogen recovery unit to receive the information communicated by the telemetry device of the hydrogen fuel cassette.

39. (Previously Presented) The system of claim 35, further comprising a reaction chamber of the recovery unit to react the hydrogen storage material that has been removed from the hydrogen fuel cassette with a reactant to produce the hydrogen.

40. (Previously Presented) The system of claim 35, further comprising a multiple cassette clip containing the hydrogen fuel cassette and a plurality of other hydrogen fuel cassettes.

41. (Previously Presented) The system of claim 35, further comprising a network connection of the hydrogen recovery unit to communicate information associated with hydrogen recovery to a network.

42. (Cancelled)

43. (Previously Presented) The system of claim 35, further comprising a tray of the hydrogen fuel cassette to slide the hydrogen storage material out of the hydrogen fuel cassette into the hydrogen recover unit.

44. (Previously Presented) The system of claim 35, further comprising push means for pushing the hydrogen storage material out of the hydrogen fuel cassette into the hydrogen recovery unit.

45. (Currently Amended) The system of claim 35, wherein the hydrogen fuel cassette comprises a seam having a length, the seam to provide access to the hydrogen storage material ~~further comprising a predetermined seam of the hydrogen fuel cassette, the seam to split open to provide access to the hydrogen storage material~~.

46. (Currently Amended) The system of claim 35, further comprising a fluid in the hydrogen fuel cassette, and wherein the hydrogen fuel cassette includes an outlet port to drain the fluid ~~wherein the hydrogen storage material comprises a fluid, and further comprising an outlet port of the hydrogen fuel cassette to drain the fluid out of the hydrogen fuel cassette into the hydrogen recovery unit~~.

47. (Previously Presented) The system of claim 35, further comprising:

a second interior region defined by the housing; and

a material that is different than the hydrogen storage material in the second interior region.

48. (Previously Presented) The system of claim 35, wherein the housing comprises:

a rigid mouth to couple with the receptacle of the hydrogen recovery unit; and

a flexible portion to collapse as the hydrogen storage material is pushed through the mouth into the hydrogen recovery unit.

49. (Currently Amended) The system of claim 35, wherein the hydrogen storage material in the interior region of the hydrogen fuel cassette comprises a plurality of slices of hydride.

50. (Currently Amended) The system of claim 35, wherein the electromechanics of the hydrogen recovery unit comprises a slicing system to slice [[the]] a solid block of hydrogen storage material that has been removed from the hydrogen fuel cassette.

51. (Previously Presented) A system comprising:

a cassette, the cassette having an outer casing defining an interior region and a hydrogen producing material, in the interior region; and

a hydrogen recovery unit having a cassette intake and processor to extract the hydrogen producing material from the cassette, the hydrogen recovery unit having a reaction chamber to react the extracted hydrogen producing material to produce hydrogen.

52. (Previously Presented) The system of claim 51, wherein the hydrogen producing material comprises a hydrogen producing material that is selected from the group consisting of hydrides, nanotubes, fullerenes, glass microspheres, and hydride slurries.

53. (Previously Presented) The system of claim 51, further comprising an electronic device coupled with the casing of the cassette to store information associated with the cassette.

54. (Previously Presented) The system of claim 51, further comprising:

an electronic device coupled with the casing of the cassette to communicate information associated with the cassette; and

an electronic device of the hydrogen recovery unit to receive the information communicated by the electronic device of the cassette.

55. (Previously Presented) The system of claim 51, further comprising a multiple cassette clip containing the cassette and a plurality of other cassettes.

56. (Previously Presented) The system of claim 51, further comprising a network connection of the hydrogen recovery unit to communicate information associated with hydrogen production to a network.

57. (Cancelled)

58. (Previously Presented) The system of claim 51, further comprising a tray of the cassette to slide the hydrogen producing material out of the cassette into the hydrogen recover unit.

59. (Previously Presented) The system of claim 51, further comprising a plunger of the hydrogen recovery unit to push the hydrogen producing material out of the cassette.

60. (Currently Amended) The system of claim 51, wherein the cassette comprises a seam ~~further comprising a predetermined seam of the cassette, the seam to split open~~.

61. (Currently Amended) The system of claim 51, further comprising a fluid in the cassette, and wherein the cassette includes an outlet port to drain the fluid ~~wherein the hydrogen producing material comprises a fluid, and further comprising an outlet port of the cassette to drain the fluid out of the cassette into the hydrogen recovery unit~~.

62. (Previously Presented) The system of claim 51, wherein the casing comprises:

a rigid mouth to couple with the hydrogen recovery unit; and

a flexible portion to collapse as the hydrogen producing material is pushed into the hydrogen recovery unit.

63. (Currently Amended) The system of claim 51, wherein the hydrogen producing material in the cassette comprises a plurality of slices of hydride.

64. (Currently Amended) The system of claim 51, wherein the hydrogen recovery unit comprises a slicing system to slice a solid block of the hydrogen producing material.